

Converting Colors

$Yxy(84.8398, 0.3773, 0.4313)$

Have a look what the booklet for
Yxy(84.8398, 0.3773, 0.4313)
contains.

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Color

Yxy(84.8398, 0.3773, 0.4313)

Conversions

Conversions Part 1

Format	Color
Hex	F5F28D
RGB	245, 242, 141
RGB Percent	96%, 95%, 55%
CMY	0.0392, 0.0510, 0.4472
CMYK	0.00, 0.01, 0.42, 0.04
HSL	58°, 84%, 76%
HSV	58°, 42%, 96%
XYZ	74.2176, 84.8398, 37.6498
YIQ	231.3830, 34.2090, -30.7750

Conversions

Conversions Part 2

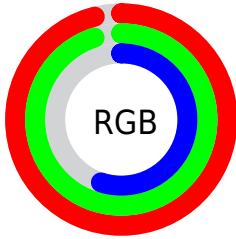
Format	Color
RYB	144, 245, 141
Decimal	16118413
CIELab	93.81, -12.91, 48.96
CIELCh	94, 50.631, 104.773
Yxy	84.8398, 0.3773, 0.4313
Android (android.graphics.Color)	4294308493 (0xFFFF5F28D)
YUV	231.3830, -44.5588, 11.9421
Hunter-Lab	92.1085, -17.3613, 40.2409

Details

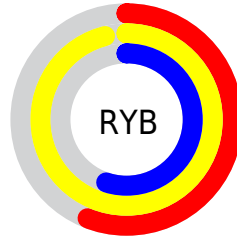
The Yxy color **84.8398, 0.3773, 0.4313** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **32.1933, 0.2336, 0.2009**, and the grayscale version is **80.5323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7655, 0.3478, 0.3870**, and **46.3872, 0.3892, 0.4535** is the 20% darker color. If you saturate the color by 10%, you get **83.7722, 0.3909, 0.4524**, and if you desaturate by 10%, it is **86.0781, 0.3625, 0.4081**.

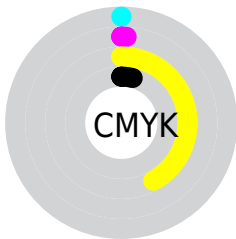
Distribution



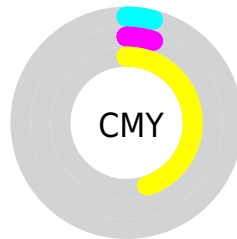
- Red (96%)
- Green (95%)
- Blue (55%)



- Red (56%)
- Yellow (96%)
- Blue (55%)



- Cyan (0%)
- Magenta (1%)
- Yellow (42%)
- Black (4%)





- Cyan (4%)
- Magenta (5%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.8398, 0.3773, 0.4313 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 84.8398, 0.3773, 0.4313 by changing the saturation by 10% instead.


 84.8398, 0.3773,
0.4313


 84.8398, 0.3773,
0.4313


511.0978, 0.3499,
0.3852

 63.7090, 0.3828,
0.4412


 140.1493, 0.3684,
0.4157

 46.4150, 0.3890,
0.4532


 175.0969, 0.3648,
0.4095

 32.5735, 0.3963,
0.4676


215.4188, 0.3616,
0.4042

 21.7999, 0.4044,
0.4853

261.4995, 0.3587,
0.3994

 13.7099, 0.4130,
0.5070

313.7233, 0.3562,
0.3953

 7.9192, 0.4216,
0.5343

372.4747, 0.3539,

 4.0433, 0.4291,

0.3916

0.5709

438.1381, 0.3518,
0.3882

■ 1.6978, 0.4089,
0.5911

■ 0.4222, 0.1695,
0.8305

■ 84.8398, 0.3773,
0.4313

■ 84.8398, 0.3773,
0.4313

■ 83.7722, 0.3909,
0.4524

■ 86.0781, 0.3625,
0.4081

■ 82.8530, 0.4026,
0.4704

■ 87.4852, 0.3470,
0.3837


■ 82.0738, 0.4120,
0.4844


■ 89.0741, 0.3315,
0.3590


■ 81.4208, 0.4188,
0.4941


■ 90.8530, 0.3164,
0.3348


 80.8773, 0.4229,
0.4994

 92.2719, 0.3068,
0.3198

 80.5207, 0.4245,
0.5011

 92.7029, 0.3068,
0.3205

 93.1356, 0.3068,
0.3212

 93.5699, 0.3068,
0.3219

 94.0058, 0.3067,
0.3226

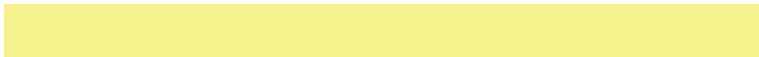
Harmonies

Analogous

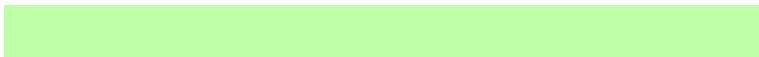
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8398, 0.4169, 0.4036



84.8398, 0.3773, 0.4313



84.8398, 0.3224, 0.4291

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.8398, 0.3773, 0.4313



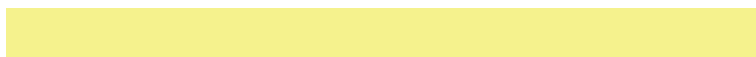
84.8398, 0.2097, 0.2796



84.8398, 0.3534, 0.2769

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



84.8398, 0.3773, 0.4313



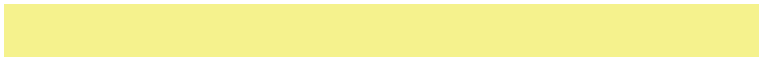
32.1933, 0.2336, 0.2009

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.8398, 0.2943, 0.2490



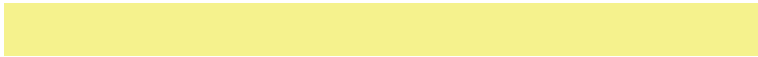
84.8398, 0.3773, 0.4313



84.8398, 0.2160, 0.2475

Square

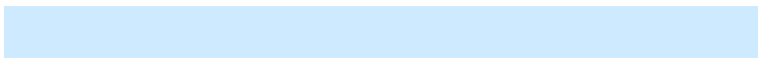
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.8398, 0.3773, 0.4313



84.8398, 0.2274, 0.3320



84.8398, 0.2453, 0.2380



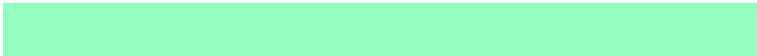
84.8398, 0.4044, 0.3167

Rectangle

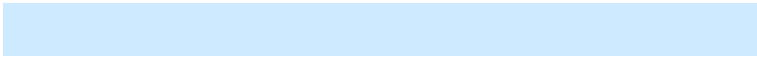
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.8398, 0.3773, 0.4313



84.8398, 0.2850, 0.4069



84.8398, 0.2453, 0.2380



84.8398, 0.3336, 0.2660

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



84.8437, 0.3773, 0.4313



97.4355, 0.3324, 0.3604



40.4823, 0.4202, 0.3255



20.7696, 0.3358, 0.3658



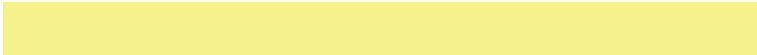
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

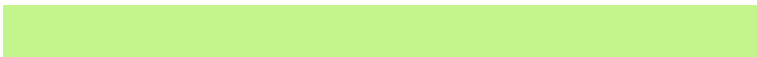
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8437, 0.3773, 0.4313



91.8823, 0.3891, 0.4497



79.0328, 0.3416, 0.4474



19.2265, 0.3269, 0.3517



43.4100, 0.4244, 0.5012



3.8408, 0.4237, 0.5017

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



32.1933, 0.2336, 0.2009



27.2011, 0.2150, 0.1705



36.5196, 0.2699, 0.2092



16.0035, 0.2979, 0.3052



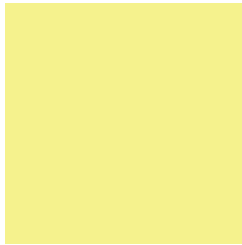
3.6685, 0.1505, 0.0618



0.3490, 0.1518, 0.0663

Previews

White Background



This preview shows how the Yxy color 84.8398, 0.3773, 0.4313 looks on a white background.

Color Contrast Check

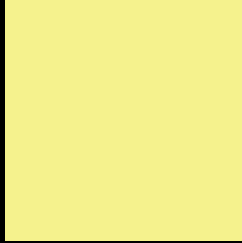
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 84.8398, 0.3773, 0.4313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

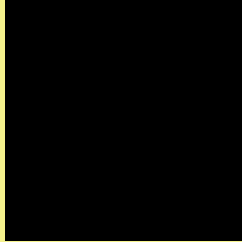
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.8398, 0.3773, 0.4313

Background



This preview shows how black text looks on a background with the Yxy color 84.8398, 0.3773, 0.4313.

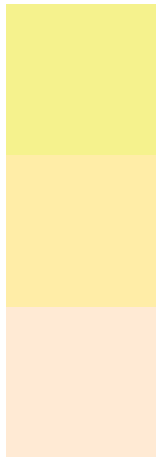


This preview shows how white text looks on a background with the Yxy color 84.8398, 0.3773, 0.4313.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

84.8398, 0.3773, 0.4313

Protanopia

84.6184, 0.3705, 0.3994

Deuteranopia

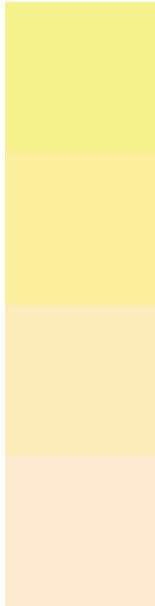
84.8591, 0.3415, 0.3511



Tritanopia

84.5690, 0.3189, 0.3125

Trichromacy



Original Color

84.8398, 0.3773, 0.4313

Protanomaly

84.7109, 0.3726, 0.4109

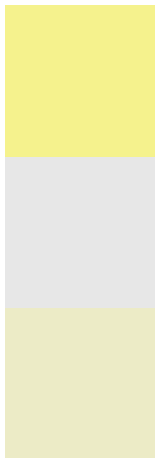
Deuteranomaly

84.6228, 0.3553, 0.3809

Tritanomaly

83.9089, 0.3413, 0.3554

Monochromacy



Original Color

84.8398, 0.3773, 0.4313

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

81.3267, 0.3370, 0.3680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8398, 0.3773, 0.4313 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(245, 242, 141)` looks like.

```
.text, #text, p{  
    color:rgb(245, 242, 141)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(245, 242, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 242, 141) }
```

Border

The CSS property to change the border of an element to Yxy 84.8398, 0.3773, 0.4313 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(245, 242, 141) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(245, 242, 141) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(245, 242, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 242, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 242, 141);  
box-shadow:4px 4px 4px 4px rgb(245, 242,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8398, 0.3773, 0.4313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 242, 141) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(245,  
242, 141) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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